**TERMINAL DISCLAIMER TO OBVIATE A DOUBLE PATENTING
REJECTION OVER A PRIOR PATENT**Docket Number (Optional)
40296-0060

In re Application of: LEE, CHANG HYUK

Application No. 10/734,147

Filed: December 15, 2003

For: ROW REDUNDANCY CIRCUIT

The owner*, Hynix Semiconductor Inc. of 100 percent interest in the instant application hereby disclaims, except as provided below, the terminal part of the statutory term of any patent granted on the instant application, which would extend beyond the expiration date of the full statutory term defined in 35 U.S.C. 154 to 156 and 173, as presently shortened by any terminal disclaimer, of prior Patent No. 6,920,073. The owner hereby agrees that any patent so granted on the instant application shall be enforceable only for and during such period that it and the prior patent are commonly owned. This agreement runs with any patent granted on the instant application and is binding upon the grantee, its successors or assigns.

In making the above disclaimer, the owner does not disclaim the terminal part of any patent granted on the instant application that would extend to the expiration date of the full statutory term as defined in 35 U.S.C. 154 to 156 and 173 of the prior patent, as presently shortened by any terminal disclaimer, in the event that it later: expires for failure to pay a maintenance fee, is held unenforceable, is found invalid by a court of competent jurisdiction, is statutorily disclaimed in whole or terminally disclaimed under 37 CFR 1.321, has all claims cancelled by a reexamination certificate, is reissued, or is in any manner terminated prior to the expiration of its full statutory term as presently shortened by any terminal disclaimer.

Check either box 1 or 2 below, if appropriate.

1. ☐ For submissions on behalf of an organization (e.g., corporation, partnership, university, government agency, etc.), the undersigned is empowered to act on behalf of the organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

2. ☒ The undersigned is an attorney of record.

 12/2/05
Signature Date

Stephen D. Huang, Reg. No. 45,304, Customer No. 26633

Typed or printed name

- ☒ Terminal disclaimer fee under 37 CFR 1.20(d) is included.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

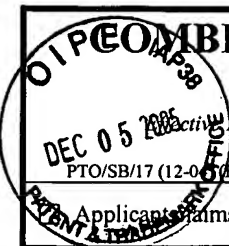
*Certification under 37 CFR 3.73(b) is required if terminal disclaimer is signed by the assignee (owner).
Form PTO/SB/96 may be used for making this certification. See MPEP § 324.

12/06/2005 JADD01 00000034 10734147

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

01 FC:1814

130.00 OP



COMBINED FEE TRANSMITTAL for FY 2005

Effective 12/08/2004. Patent fees are subject to annual revision.

PTO/SB/17 (12-05) (Revised) (For payment of 37 CFR 1.17 fees including (f), (g), (h), & (i))

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 130.00)

Complete if Known

| | |
|----------------------|-------------------|
| Application Number | 10/734,147 |
| Filing Date | December 15, 2003 |
| First Named Inventor | LEE, CHANGE HYUK |
| Examiner Name | LUU, PHO M. |
| Art Unit | 9314 |
| Attorney Docket No. | 40296-0060 |

METHOD OF PAYMENT (check one)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☐ Deposit Account

Deposit Account Number: 08-1641

Deposit Account Name: Heller Ehrman LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below

☒ Credit any overpayments and charge any deficiencies

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the deposit account

FEE CALCULATION (continued)

4. PETITION FEES UNDER 37 CFR 1.17 (f) Fee Paid
Fee Code: 1462 Fee \$ 400 For petitions filed under:
§ 1.53(e); § 1.57(a); § 1.182; § 1.183; § 1.378(e); § 1.741(b)

5. PETITION FEES UNDER 37 CFR 1.17 (g) Fee Paid
Fee Code: 1463 Fee \$ 200 For petitions filed under:
§ 1.12; § 1.14; § 1.47; § 1.59; § 1.103(a); § 1.136(b); § 1.295; § 1.296; § 1.377; § 1.550(c); § 1.956; § 5.12; § 5.15; § 5.25

6. PETITION FEES UNDER 37 CFR 1.17 (h) Fee Paid
Fee Code: 1464 Fee \$ 130 For petitions filed under:
§ 1.19(g); § 1.84; § 1.91; § 1.102(d); § 1.138(c); § 1.313; § 1.314

7. PROCESSING FEES UNDER 37 CFR 1.17 (i) Fee Paid
Fee Code: 1808 (1803 for § 1.221) Fee \$ 130 For petitions filed under:
§ 1.28(c)(3); § 1.41; § 1.48; § 1.52(d); § 1.53(b)(3); § 1.55; § 1.99(e); § 1.103(b); § 1.103(c); § 1.103(d); § 1.217; § 1.221; § 1.291(c)(5); § 1.497(d); § 3.81

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Applicati on Type | FILING FEES | | SEARCH FEES | | EXAMINATION FEES | | Fees Paid (\$) |
|----------------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-----------------------|-----------------------------|-------------------|
| | Entity Fee (\$) | Small Entity Fee (\$) | Entity Fee (\$) | Small Entity Fee (\$) | Entity Fee (\$) | Small Entity Fee (\$) | |
| Utility | 300 | 150 | 500 | 250 | 200 | 100 | |
| Design | 200 | 100 | 100 | 50 | 135 | 65 | |
| Plant | 200 | 100 | 300 | 150 | 160 | 80 | |
| Reissue | 300 | 150 | 500 | 250 | 600 | 300 | |
| Provisional | 200 | 100 | 0 | 0 | 0 | 0 | |

SUBTOTAL (1) \$

2. EXTRA CLAIM FEES

| Entity Fee (\$) | Small Entity Fee (\$) | Fee Description |
|--------------------|-----------------------|---|
| 50 | 25 | Each claim in excess of 20 or, for Reissues, each claim in excess of 20 and more than in the original patent |
| 200 | 100 | Each Independent claim in excess of 3 or, for Reissues, each independent claim more than in the original patent |
| 360 | 180 | Multiple dependent claim, if not already paid |

| Extra Claims | | Fee from above | Fee Paid | |
|------------------------|---------|-------------------|----------|--|
| Total Claims | -20** = | x | | |
| Independe nt Claims | -3** = | x | | |

**or number previously paid, if greater; For Reissues see below

Multiple Dependent

SUBTOTAL (2) \$

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof (round up to the a whole number). See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s)

| Total Sheets | Extra Sheets | Number of each additional 50 | Fee (\$) | Small Entity Fee (\$) |
|---------------------|-----------------|------------------------------------|----------------|-----------------------------|
| -100 = | /50 = | | x 250 OR x 125 | |
| SUBTOTAL (3) | | | \$ | |

8. OTHER FEES

| Entity Fee (\$) | Entity Fee (\$) | Fee Description | Fee Paid |
|---|-----------------------|--|----------|
| 130 | 65 | Surcharge - late filing fee or oath | |
| 50 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 130 | 130 | Non-English specification | |
| 2,520 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 920* | 920* | Requesting publication of SIR prior to Examiner action | |
| 1,840* | 1,840* | Requesting publication of SIR after Examiner action | |
| 120 | 60 | Extension for reply within first month | |
| 450 | 225 | Extension for reply within second month | |
| 1,020 | 510 | Extension for reply within third month | |
| 1,590 | 795 | Extension for reply within fourth month | |
| 2,160 | 1,080 | Extension for reply within fifth month | |
| 500 | 250 | Filing a brief in support of an appeal | |
| 790 | 395 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1,510 | 1,510 | Petition to institute a public use proceeding | |
| 500 | 250 | Petition to revive - unavoidably abandoned application | |
| 1,500 | 750 | Petition to revive - unintentionally abandoned application | |
| 50 | 50 | Processing fee for provisional appls (37 CFR 1.17(q)) | |
| 180 | 180 | Submission of Information Disclosure Statement | |
| 1,000 | 500 | Request for oral hearing | |
| 790 | 395 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 790 | 395 | Request for Continued Examination (RCE) | |
| 900 | 900 | Request for expedited examination of a design application | |
| Other fee (specify) Terminal Disclaimer | | | 130 |

SUBTOTAL (4+5+6+7+8) \$ 130.00

* Reduced by Basic Filing Fee Paid

SUBMITTED BY

| | | | | | | |
|----------------------|------------------|--------------------------------------|---------|--------------------------|-----------|--------------|
| Name (Print/Type) | Stephen D. Huang | Registration No. (Attorney/Agent) | 45,304 | Complete (if applicable) | Telephone | 202-912-2000 |
| Signature | | Date | 12/2/05 | Customer No. | 26633 | |